**Software Engineer**  ( Aug 2017 – Till Date )

 **Software Development (Java) Experience**

* Design and development of robust high performance scalable enterprise software using Java/J2EE using different SDLC models in concurrent environments .
* Backend software development with extensive use of data structures in java for campaign management and reporting system for End Of Call Notification Offer systems.

**Machine Learning Experience**

* Working on Analytics in Python language in a project for representing a large target group with a
smaller control group involving use of technologies like Apache Kafka and machine learning algorithms like KMeans for segregating users on the basis of their usage and push offers according to their mobile usage.
* Working on idea of pushing offers to unsatisfied customers by doing sentiment analysis on Twitter feeds (tweets) for the customer on a real time basis.

WORK EXPERIENCE

RISHABHH SINGH

Product Developer

Passionate Coder

Portfolio : rishabhh.github.io

**PROFILE**

Creative, and highly organised candidate with the ability to integrate out-of-the-box thinking and problem solving analysis to improve processes.

Strong desire to learn and explore new technologies and ability to demonstrate sharp analytical abilities

 EDUCATION

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| --- |
| B.Tech(Electronics& Communication Engineering) **9.06 GPA**Jamia Millia Islamia, Faculty of Engineering and Technology  |

HSC - Central Board of Secondary Education **88.2%**
Bharatiya Vidya Bhavan Mehta Vidhyalaya

SSC - Central Board of Secondary Education **89.3%**
Bharatiya Vidya Bhavan Mehta Vidhyalaya

2010

2012

2013-2017

Yelahanka,Bangalore

karnataka

+91 9560260806

CERTIFICATIONS

* Java Programming, Data Structures & Algorithm – Coding BLOCKS
* Natural Language Processing with Deep Learning Nanodegree, Udacity.com
* Computer Vision with Deep Learning Nanodegree, Udacity.com
* Computation Structures: Digital Circuits by MIT , edx.org
* Introduction to Computer Science and Programming using Python
 - by Massachusetts Institute of Technology (MIT) from edx.org
* Stastistical Thinking for Data Science & Analytics
 - by Columbia University from edx.org
* Data Science in Python by Microsoft at edx.org

rishabhh.singh93@gmail.com

**Languages :** Python , Java ,R , C++ , C , SQL , Shell Scripting

**Libraries and Frameworks :** Scikit-Learn , Tensorflow , Keras , Caffe2 ,Theano, PyTorch, Opencv NLTK , Numpy , Pandas , Scipy , Matplotlib , Spring , JSP

**OS**  : Linux (Ubuntu,RHEL) , Windows

https://github.com/Rishabhh

 **TECHNICAL SKILLS**

AWARDS

* Won Enactus Nationals, 2016 Rookie league as team Supervisor
* Won “Innovate for a cause” competition -by Centre of Innovation and Entrepreneurship as a Team Lead for Project Vasudha
* 3rd in International Olympiad Of Mathematics , 2009
* 5th in National Science Olympiad,2011

**CONCEPTS AND TECHNOLOGIES USED**

* Found some mathematical patterns like multiplying any number of 9’s by any large number eg 9999\*768 = 7679232
* Found a method to approximate the underroots of numbers by assuming them to be uniformly split over a numberline
* Like listening to music and interpreting the meaning behind the lyrics.
* Playing sports : Cricket, Football, Squash.
* **MobiLytix iEOCN: Interactive End of Call Notification**

MobiLytix iEOCN is a project based on the idea of sending best fit offers to the mobile phone customers based on their daily mobile usage parameters like current balance, call duration, internet usage etc. I have been working on the backend code and frontend changes of the code.

* **3D reconstruction from multiple 2D images containing various view.**

Constructed a 3D multi-view reconstruction system combining various techniques including feature detection (SIFT, BRISK and FAST), RANSAC, Triangulation and Bundle Adjustment in opencv (python) .Tested the efficiency with multiple algorithms right from simplest one "Harris Corner Detection" to BRISK algorithm.

* **Facial Keypoint Detection**

Build a facial keypoint detection system by combining OpenCV's pre-processing techniques and face detection with a trained CNN keypoint detector.

#### Machine Translation from French to English

#### Using NLP and Deep Learning techniques to convert text in French to English language by training a recurrent neural network and ntlk library.

#### Sentiment Analysis of a review on the IMDB Movie Review Dataset using Keras.

#### Image Augmentation

#### Training a Convolutional Neural Network on augmented images from Cifar-10 Database.

#### Automatic Image captioning using Convolutional and Recurrent Neural Networks

Deep Learning, Python

Python, Opencv

Deep Learning (CNN), Keras

Deep Learning (RNN), Natural Language Processing, Keras

Deep Learning (RNN), Natural Language Processing, NLTK

Deep Learning (CNN), Computer Vision, Python, Opencv

Java , Spring, JSP, Struts, Hibernate

PROJECTS



 Random Work and Hobbies

 